

**WHAT IS CLAIMED IS:**

1. A nozzle which is to be provided on a top of a tubular neck portion of a liquid container, the tubular neck portion being to be mounted with a cap, the nozzle comprising:

a discharging hole to be hermetically sealed by an inner top portion of the cap; and

a ring-shaped projection formed on an upper portion of the nozzle.

2. A nozzle according to claim 1, wherein a constricted portion is formed below the ring-shaped projection of the nozzle.

3. A nozzle which is to be provided on a top of a tubular neck portion of a liquid container, the tubular neck portion being detachably mounted with a cap such that an inner circumferential surface of the cap is in contact with an outer circumferential surface of the tubular neck portion, the nozzle comprising:

a discharging hole to be hermetically sealed by an inner top portion of the cap; and

a ring-shaped projection to be hermetically brought into contact with the inner circumferential surface of the cap, the ring-shaped projection being formed on an upper portion of the nozzle.

4. A nozzle according to claim 3, wherein an airtight air pool is formed between a hermetically sealed portion of the inner top portion of the cap and the discharging hole of the nozzle and a hermetic contact portion of the inner circumferential surface of the cap and the ring-shaped projection of the nozzle.

5. A nozzle according to claim 3, wherein a constricted portion is formed below the ring-shaped projection of the nozzle.

6. A nozzle according to claim 5, wherein at least two ring-shaped fins whose edges are to be hermetically brought into contact with the inner circumferential surface of the tubular neck portion upon inserting the nozzle into the tubular neck portion are formed on the outer circumferential surface of the lower portion of the nozzle while being vertical spaced apart, and an airtight air pool is formed between hermetic contact portions of the respective ring-shaped fins and the inner circumferential surface of the tubular neck portion.

7. A nozzle which is to be inserted into a tubular neck portion of a liquid container such that an outer circumferential surface of a lower portion of the nozzle is hermetically held in contact with an inner circumferential surface of the tubular neck portion, the tubular neck portion being detachably mounted with a cap such that an inner circumferential surface of the cap is spirally engaged with or locked into an outer circumferential surface of the tubular neck portion, the nozzle comprising:

a discharging hole to be hermetically sealed by an inner top portion of the cap; and

a ring-shaped projection to be hermetically brought into contact with the inner circumferential surface of the cap, the ring-shaped projection being formed on an upper portion of the nozzle.

8. A nozzle according to claim 7, wherein an airtight air pool is formed between a hermetically sealed portion of the inner top portion of the cap and the discharging hole of the nozzle and a hermetic contact portion of the inner circumferential surface of the cap and the ring-shaped projection of the nozzle.

9. A nozzle according to claim 7, wherein a constricted portion is formed below the ring-shaped projection of the nozzle.

10. A nozzle according to claim 9, wherein at least two ring-shaped fins whose edges are to be hermetically brought into contact with the inner circumferential surface of the tubular neck portion upon inserting the nozzle into the tubular neck portion are formed on the outer circumferential surface of the lower portion of the nozzle while being vertical spaced apart, and an airtight air pool is formed between hermetic contact portions of the respective ring-shaped fins and the inner circumferential surface of the tubular neck portion.

11. A nozzle which is formed on a top of a cap hermetically mounted on a tubular neck portion of a liquid container, the cap being coupled with an upper lid via a hinge, the nozzle comprising:

a discharging hole to be hermetically sealed by an inner top portion of the upper lid; and

a ring-shaped projection to be hermetically brought into contact with the inner circumferential surface of the cap, the ring-shaped projection being formed on an upper portion of the nozzle.

12. A nozzle according to claim 11, wherein an airtight air pool is formed between a hermetically sealed portion of the inner top portion of the cap and the discharging hole of the nozzle and a hermetic contact portion of the inner circumferential surface of the cap and the ring-shaped projection of the nozzle.

13. A nozzle according to claim 11, wherein a constricted portion is formed below the ring-shaped projection of the nozzle.

14. A nozzle according to claim 13, wherein at least two ring-shaped fins whose edges are to be hermetically brought into contact with the inner circumferential surface of the tubular neck portion upon inserting the nozzle into the tubular neck portion are formed on the outer circumferential surface of the lower portion of the nozzle while being vertical spaced apart, and an airtight air pool is formed between the inner circumferential surface of the tubular neck portion and the respective ring-shaped fins in hermetic contact with the inner circumferential surface of the tubular neck portion.

15. A liquid container comprising:  
a tubular neck portion;  
a cap mounted on the tubular neck portion;  
a nozzle provided on a top of the tubular neck portion, the nozzle including:

a discharging hole to be hermetically sealed by an inner top portion of the cap; and

a ring-shaped projection formed on an upper portion of the nozzle.

16. A liquid container according to claim 15, wherein the cap is detachably mounted on the tubular neck portion such that an inner circumferential surface of the cap is in contact with an outer circumferential surface of the tubular neck portion, the ring-shaped projection is hermetically brought into contact with the inner circumferential surface of the cap.

17. A liquid container according to claim 15, wherein the nozzle is inserted into the tubular neck portion such that an outer circumferential surface of a lower portion of the nozzle is hermetically held in contact with an inner circumferential surface of the tubular neck portion, the cap is detachably mounted on the tubular neck portion such that an inner circumferential surface of the cap is spirally engaged with or locked into an outer circumferential surface of the tubular neck portion, and the ring-shaped projection is hermetically brought into contact with the inner circumferential surface of the cap.

18. A liquid container according to claim 15, wherein the nozzle is formed on a top of the cap, the cap is coupled with an upper lid via a hinge, the discharging hole is hermetically sealed by an inner top portion of the upper lid, and the ring-shaped projection is hermetically brought into contact with the inner circumferential surface of the cap.